



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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VCO Product Specification

Model: VCO191-964U(Y) **Rev:** **Date:** 8/31/2006

Customer: SIRENZA MICRODEVICES, INC.

Operating Temperature Range: (-35 ° to 85 ° C)

Pb RoHS Compliant

To order models as RoHS Compliant add "Y" suffix to base model number.

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	951	964	977	MHz	X	
Tuning Voltage:						
951 MHz	0.4	0.8		Vdc	X	
977 MHz		2.2	2.6	Vdc	X	
Tuning Sensitivity -	15	18	21	MHz/V	X	
Output Power -	-6	-3	0	dBm	X	
Output Phase Noise:						
10 kHz		-108	-102	dBc/Hz		
100 kHz		-128	-122	dBc/Hz	X	
Power Supply -	2.85	3	3.15	Volts		
Supply Current -		6	8	mA	X	
Harmonic Suppression:						
2nd Harmonic		-14	-10	dBc	X	
3rd Harmonic		-32	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 2.85-3.15 V		0.6	1	MHz p-p		
Frequency Pulling - 12 dB RL		0.7	1.5	MHz p-p		
Tuning Port Capacitance -		100	120	pF		
Output Impedance -		50		Ω		

Package Information

Package Type:	U (0.374 x 0.374 x 0.13 inches)	Drawing Number:	60036
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Comments

X Indicates parameter to be tested 100% in production

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